```
Lock l = new ReentrantLock();
 ≡
l.lock();
 try {
     /* Sección crítica */
 } finally {
           l.unlock();
   }
```

- Constructores
  - ReentrantLock()
  - ReentrantLock(boolean justicia)

- Métodos
  - ProtectedThread getOwner()
  - int getHoldCount() //#veces lock sin unlock
  - int getQueueLength()
  - protected Collection <Thread> getWaiting
  - [1] Threads (Condition c) // Devuelve los hilos bloque.
  - boolean isFair()
  - boolean isLocked()
  - void lock()
  - void lockInterruptibly()

[1] Bloquea cada hilo, si no lo cumple lo bloquea.

Interfaz ReadWriteLock

No tiene constructores

Constructores

- ReentrantReadWriteLock()
- ReentrantReadWriteLock(boolean fair)

```
ReentrantReadWrite rl = new ReentrantReadWrite();
 ≡
Lock l = rl.readLock();
  l.lock();
    try {
          /*n lecturas concurrentes */
    }finally {
          l.unlock();
    }
    ≡
    Lock w = rl.writeLock();
    w.lock();
    try {
        /* 1 escritura o lectura a la vez */
    }finally {
          w.unlock();
    }
```

Monitor de acceso.

```
ReentrantReadWrite rl = new ReentrantReadWrite
    condition c = rl.newCondition();
    ≡
    Lock w = rl.writeLock();
       w.lock();
          try {
             if(!condicion) {
                      c.await();
           } finally {
                w.unlock();
           }
```